

X21D

3600 W
1x 21" PASSIVE
SUBWOOFER

Xcellence



Experience the ultimate transducer technology in this 21" in our original bandpass/hornloaded configuration. The X21D provides an impressive low frequency response, without compromising the punch performance, saving the need of double 15" subs.

KEY FEATURES

TRANSDUCER TECHNOLOGY

Passive subwoofer composed by one **5.3-inch** voice coil, neodymium magnet, last-generation 21" loudspeaker loaded in our original band-pass tuned enclosure design with laminar ports.

POWER

3600 W continuous power in musical program.

READY FOR THE CLUB... AND BEYOND

Xcellence DISCO series has been carefully designed to deliver a high sound pressure level while keeping a TOP audio quality. A compact design, but yet with great power handling loudspeakers, makes it suitable for all kind of clubs or other venues requiring high performance passive systems.

DESIGN & ACCESSORIES

Unique design in black & grey colour.

Connectors are placed on an inclined plane to increase protection against rain or moisture.

M10 plate socket provided at the top side for full-range enclosure stacking.

Ergonomic handles for an easy handling.

Baltic birch plywood wooden cabinet with Polyurea® coating, offering maximum reliability and strength for high demanding applications.

LONG-TERM RELIABILITY

We have invested in, and applied, the very best knowledge, materials and technology to deliver the ultimate product. Every detail has been considered, featuring the new steel grille with custom punch hole, smart accessories for a trouble-free installation, and the new double-colour Polyurea® coating, not only do they contribute to an extraordinary look, they also look forward high protection and resilience.

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UNIQUE DESIGN



EXCLUSIVE BAND PASS DESIGN



LIGHT NEODYMIUM COMPONENTS



HIGH RESISTANT POLYUREA® PAINT



ACCESSORIES FOR EASY INSTALLATIONS



CARDIOID PRESETS AVAILABLE with external Amate Audio amplifier & DSP



MULTIPLE PRESETS AVAILABLE with external Amate Audio amplifier & DSP

TECHNICAL FEATURES

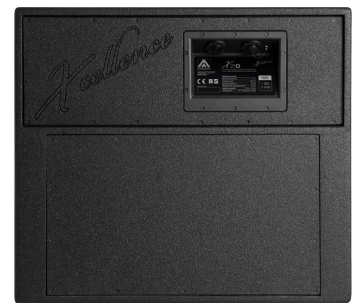
Power (musical program)	3600 W
Power (AES)	1800 W
Nominal impedance	4 Ω
Crossover frequency (recommended)	80 Hz / 90 Hz / 100 Hz / 110 Hz / 120 Hz
Frequency range (-10 dB)	28 Hz – 140 Hz (with external DSP)
Directivity (HxV)	Omnidirectional
Directivity factor (Q)	1
Directivity Index (DI)	0 dB
SPL (1W/1m)	98 dB
Maximum SPL (continuous/1 m)	134 dB
Maximum SPL (peak/ 1m)	137 dB
Components LF	21" neodymium woofer (5.3" voice coil)
Weight	72.9 kg
Dimensions (HxWxD)	668 x 749 x 900 mm
Finish	Multilayer baltic birch plywood with high resistant black & grey Polyurea® coating
Grille	1.5 mm steel
Input connectors	2x NL4MPR Neutrik® Speakon



SIDE VIEW



FRONTAL VIEW WITHOUT GRILLE



REAR VIEW



BOTTOM VIEW

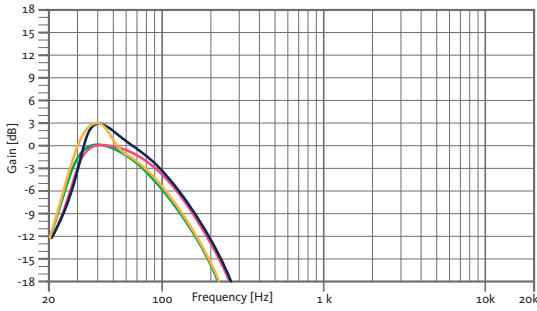


TOP VIEW

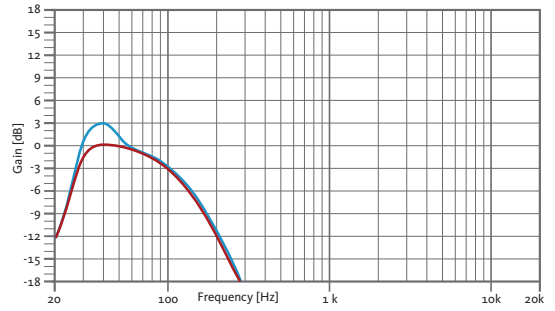


CONNECTION PANEL

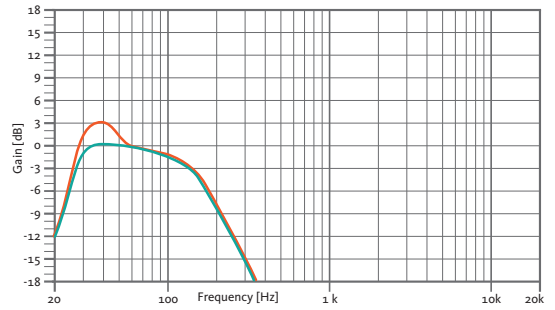
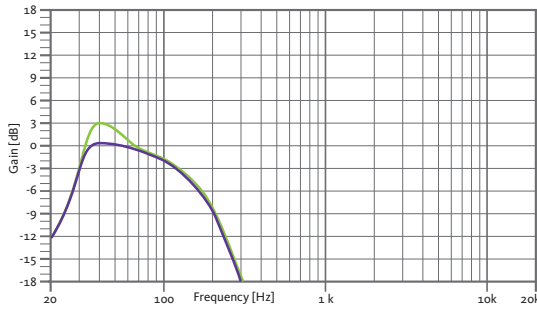
RECOMMENDED PRESETS With external Amate Audio DSP



- LPF80**
LPF 80 Hz
- LPF80+3**
LPF 80 Hz + 3dB boost
- LPF90**
LPF 90 Hz
- LPF90+3**
LPF 90 Hz + 3dB boost
- LPF100**
LPF 100 Hz
- LPF100+3**
LPF 100 Hz + 3dB boost

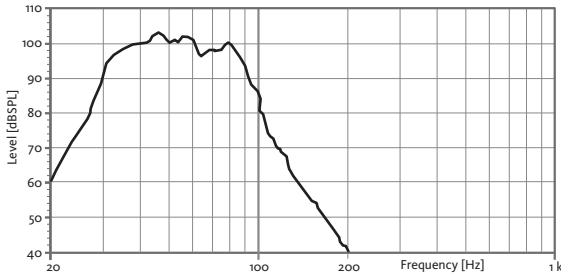


- LPF110**
LPF 110 Hz
- LPF110+3**
LPF 110 Hz + 3dB boost
- LPF120**
LPF 120 Hz
- LPF120+3**
LPF 120 Hz + 3dB boost

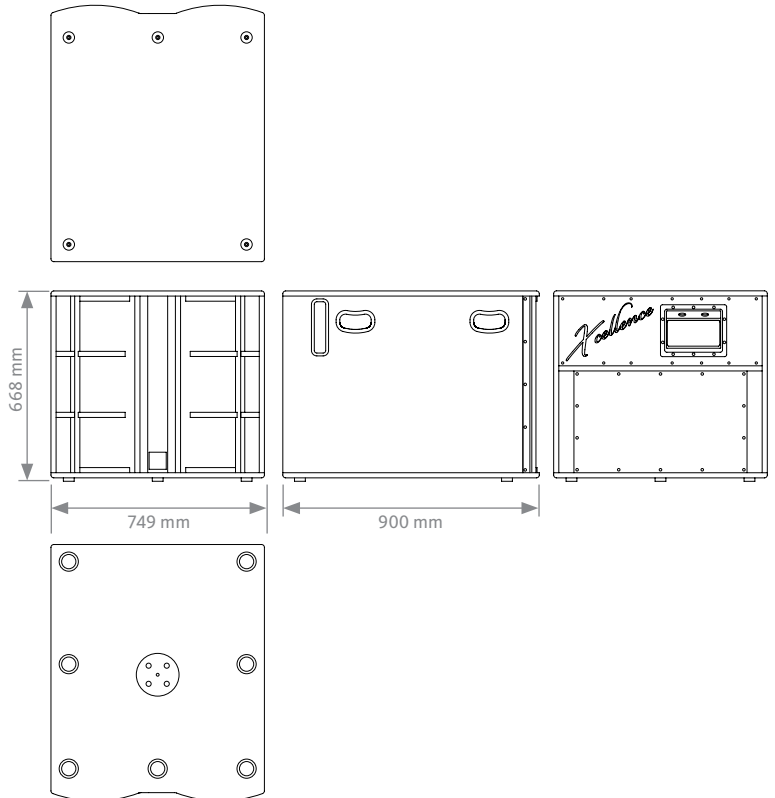


FREQUENCY RESPONSE 1w/1m

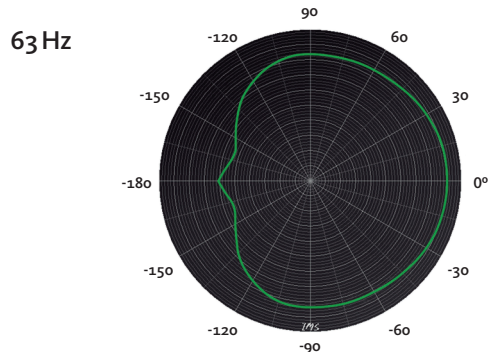
With external Amate Audio DSP & HD4000 Amplifier



CAD DRAWING SCHEME



CARDIOID CONFIGURATION THROUGH AVAILABLE PRESETS



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ACCESSORIES

STACKING FRAME FR-X208
For X21D underneath X208

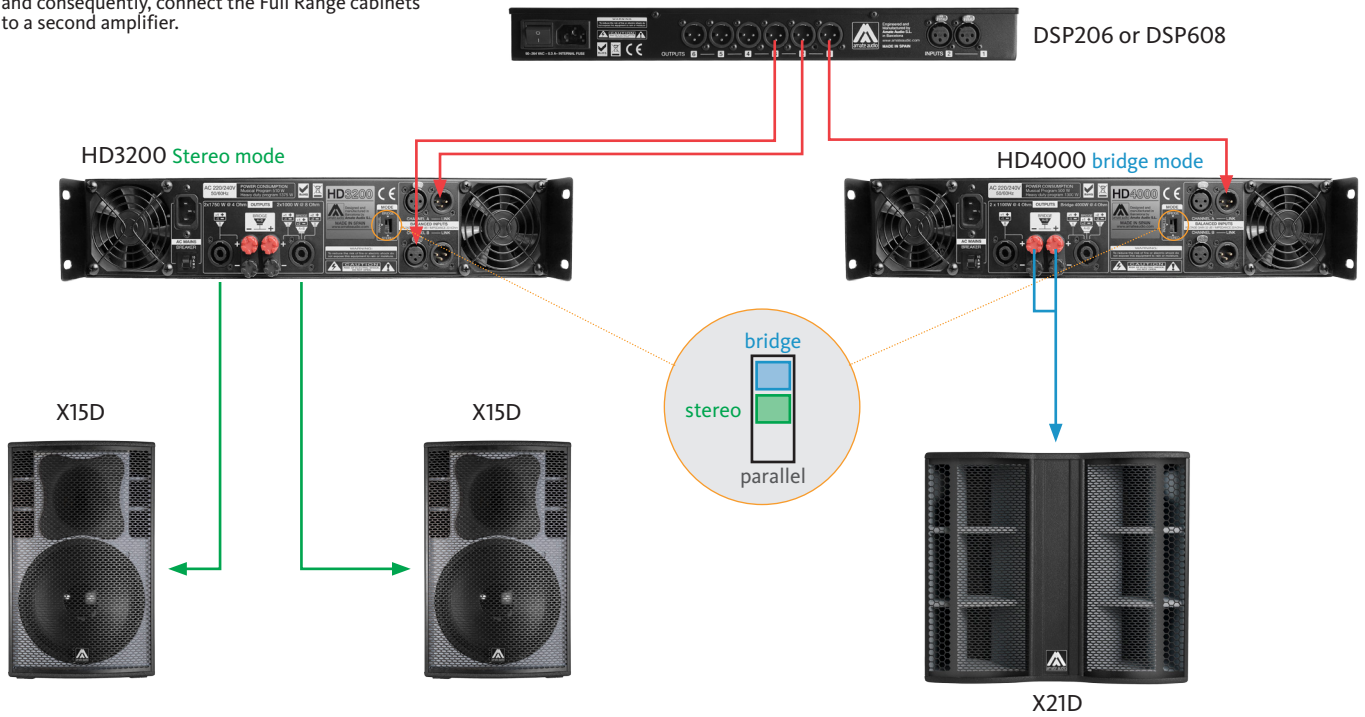


STACKING FRAME FR-X210
For X21D underneath X210



RECOMMENDED CONFIGURATION

Use one amplifier for the low reinforcement units and consequently, connect the Full Range cabinets to a second amplifier.



THE BEST COMBINATION

The best experience of Xcellence DISCO systems is reached with Amate Audio's HD Series amplifiers and DSP206/608 digital signal processors. Factory presets are available to setup the system in a short time.



HD Series – high dynamic professional power amplifiers



DSP Series – digital loudspeakers management system